|            | Index of Claims |                     |                 |   |               |   |          |              |          |          |            |           |             | Ą        | Application/Control No. |            |          |           |              |              |                |           |          | Applicant(s)/Patent under Reexamination |            |                 |             |          |           |            |                 |          |           |             |   |
|------------|-----------------|---------------------|-----------------|---|---------------|---|----------|--------------|----------|----------|------------|-----------|-------------|----------|-------------------------|------------|----------|-----------|--------------|--------------|----------------|-----------|----------|---|------------|-----------------|-------------|----------|-----------|------------|-----------------|----------|-----------|-------------|---|
|            |                 |                     |                 |   |               |   |          |              |          |          |            |           |             |          | 10                      | 10/025,567 |          |           |              |              |                |           |          |   |            |                 | NASH ET AL. |          |           |            |                 |          |           |             |   |
|            |                 |                     |                 |   |               |   |          |              |          |          |            |           |             |          |                         | ł          | Examiner |           |              |              |                |           |          |   |            |                 | Art Unit    |          |           |            |                 |          |           | <del></del> | - |
|            |                 |                     |                 |   |               |   |          |              |          |          |            |           |             |          | Phuong Huynh            |            |          |           |              |              |                |           |          | 1644                                    |            |                 |             |          |           |            |                 |          |           |             |   |
|            |                 | (Through numer      |                 |   |               |   | era      | al)          | 1)       |          |            | Non-Elect |             |          | ed                      |            |          | Appeal    |              |              |                |           |          |   |            |                 |             |          |           |            |                 |          |           |             |   |
| √ Rejected |                 |                     |                 |   |               |   | -        |              | _        | -        | Cancelled  |           |             |          | <u> </u>                |            |          |           | N            |              |                |           |          | A                                       |            |                 |             |          |           |            |                 |          |           |             |   |
|            | = All           |                     |                 |   |               |   | Allowed  |              |          |          | Restricted |           |             | <u> </u> |                         | I Int      |          |           | Int          | erfe         | erference      |           |          | 0                                       | Objected   |                 |             |          |           |            |                 |          |           |             |   |
|            | Claim           |                     |                 |   |               |   | Dat      | e            |          |          |            |           | Claim       |          |                         |            | _        | D         | ate          | ate          |                |           | Ci       |   | aim        |                 | Date        |          |           |            |                 |          |           |             |   |
|            | _               | na<br>L             | 90              |   |               |   |          |              |          |          |            |           | <del></del> | nal      |                         |            | İ        |           |              |              |                |           |          | 77                                      | nal        |                 |             | 1        |           |            |                 |          |           |             |   |
| l          | Final           | Original            | 1/20/08         |   |               |   |          |              |          |          |            |           | Final       | Original |                         |            |          |           |              |              |                |           |          | Finat                                   | Original   |                 |             |          |           |            |                 |          |           |             |   |
|            | 1               | 1                   | Α               |   |               |   |          |              |          |          | 目          | F         |             | 51       |                         |            |          | 4         |              |              | #              |           |          |   | 101        |                 |             | 1        | 1         | Ĺ          |                 |          | $\Box$    |             |   |
| -          | -               | 3                   | A               | - | ┝             | ┝   | ├        | ├            | ╁        | ┝        | Н          | -         |             | 52<br>53 | $\dashv$                | -          | $\dashv$ | $\dashv$  | $\dashv$     | +            |                | +         | <b> </b> |   | 102<br>103 | Н               | $\dashv$    | +        | +         | ╁          | Н               | -        | $\dashv$  |             |   |
|            | 士               | <u> </u>            |                 |   |               |   |          |              | L        |          | П          | Ė         |             | 54       |                         |            | T        |           | 士            | $\perp$      |                |           | İ        |   | 104        |                 |             |          |           |            |                 |          |           |             |   |
|            | _               | 5                   | ۷               |   | _             | L   | L        | _            | $\vdash$ | _        | Ц          | F         |             | 55       | $\perp$                 | $\dashv$   | 4        | _         | _            | $\perp$      | $\blacksquare$ | 1_        |          |   | 105        | $\sqcup$        | 4           |          | _         | lacksquare | Ш               |          | $\exists$ |             |   |
| -          | $\dashv$        | 7                   | A               | H | -             | -   | ┢        | $\vdash$     | $\vdash$ | ┝        | Н          | ├         |             | 56<br>57 |                         | $\dashv$   | $\dashv$ | $\dashv$  | +            | +            | +              | ╁         |          |   | 106<br>107 | H               | $\dashv$    | +        | +         | ╁          | Н               | -        | $\dashv$  |             |   |
|            |                 | 8                   |                 |   |               |   | $\Box$   | İ            |          |          | П          | L         |             | 58       |                         |            | 士        |           | 士            |              |                |           | 1        |   | 108        |                 |             |          |           |            |                 |          | ╛         |             |   |
|            | _               | 9                   |                 |   | L             | _   |          | lacksquare   |          |          | Ц          | L         |             | 59       |                         |            | 4        | 4         | 4            |              |                | $\perp$   |          |   | 109        |                 | _           |          |           |            | Ш               |          | $\dashv$  |             |   |
| -          |                 | 10<br>10            |                 |   |               | -   | -        | -            | -        | H        | H          | ⊦         |             | 60<br>61 | -                       | 4          | -        |           | +            | $\dashv$     | -              | +         |          |   | 110<br>111 | Н               | +           |          | +-        | <b>-</b>   | Н               | $\dashv$ | $\dashv$  |             |   |
| <u> </u>   |                 | 12                  | A               |   |               |   | ┢        | H            | -        | ┢        | Н          | 上         | _           | 62       |                         | $\dashv$   | 十        | $\dashv$  | $\dashv$     | $\dashv$     | +              | +         | 1 1      |   | 112        | $\vdash$        | $\dashv$    | +        | +         | +          | Н               |          | $\dashv$  |             |   |
|            |                 | 13                  | Α               |   |               |   |          |              |          |          |            |           |             | 63       |                         |            |          |           |              |              | $\perp$        |           |          |   | 113        |                 |             |          |           |            | П               |          |           |             |   |
| <u> </u>   |                 | 14                  | Α,              |   | _             | -   |          | _            | _        | L        | Н          | ┝         |             | 64       |                         | $\dashv$   | 4        | 4         | 4            | 4            | 4              | ╀         |          |   | 114        |                 | 4           | 4        | -         | ╄          | Ш               |          | $\dashv$  |             |   |
| -          |                 | 15<br>16            | <b>A A</b>      | - | ┝             |   | ┢        | ╁            | ╁        | H        | Н          | H         | -           | 65<br>66 |                         | $\dashv$   | $\dashv$ | +         | +            | $\dashv$     | +              | +         | l        |   | 115<br>116 | $\vdash$        | +           | +        | +-        | ╁╾         | Н               | $\dashv$ | $\dashv$  |             |   |
| <u> </u>   |                 | 17                  | Ā               |   |               |   |          | $\dagger$    | <u> </u> | $\vdash$ | Н          | 卜         |             | 67       |                         |            | 7        | 7         | $\top$       | $\dashv$     | +              | 1         | <b>!</b> |   | 117        | $\Box$          | $\top$      | $\top$   | +         | t          | П               | П        | ⊣         |             |   |
|            |                 | 18                  | Α               |   |               |   |          | lacksquare   |          |          |            |           |             | 68       |                         |            | $\Box$   |           | $\Box$       | $\Box$       |                |           | ] [      |   | 118        |                 | $\Box$      |          |           | $\Box$     |                 |          |           |             |   |
| -          |                 | 19<br>20            | <b>A A</b>      | H | ┝             | -   | ┝        | ╁            | -        | _        | Н          | -         |             | 69<br>70 | -                       | $\dashv$   | +        | +         | +            | +            | -              | +         | {        |   | 119<br>120 | $\vdash \vdash$ | $\dashv$    | +        | +-        | ╁┈         | Н               |          | -         |             |   |
|            |                 | <u>20</u><br>21     | A               |   | -             | <del> -</del>                             | H        | ${\dagger}$  | ┢        | H        | Н          | ┢         |             | 71       | $\dashv$                | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$     | +            | +              | +         |          |   | 121        | H               | $\dashv$    | +        | +         | ╁┈         | Н               | $\dashv$ | ᅱ         |             |   |
|            |                 | 22                  | Α               |   |               |   |          |              |          |          |            |           |             | 72       |                         |            |          |           |              |              |                |           |          |   | 122        |                 |             |          |           |            |                 |          | $\exists$ |             |   |
| <u> </u>   |                 | 23                  | 4               | _ | L             | -   | L        | ⊢            | ┝        | L        | Н          | ┝         |             | 73<br>74 | $\dashv$                | 4          | 4        | 4         | 4            | 4            | +              | +-        |          |   | 123<br>124 | $\vdash$        | 4           | -        | +         | -          | Н               | _        | _         |             |   |
| -          |                 | <u>24</u><br>25     | 4               | _ | <del> -</del> | -   | ┢        | -            | -        | -        | Н          | -         |             | 75       |                         | -          | ┥        | $\dashv$  | $\dashv$     | $\dashv$     | +              | +         |          |   | 125        |                 | +           |          | +-        | ╁          | Н               | $\dashv$ | $\dashv$  |             |   |
|            |                 | 26                  | Α               |   |               |   |          | ļ            |          |          |            |           |             | 76       |                         |            |          |           |              |              |                |           | 1 [      |   | 126        |                 |             |          | 1         |            |                 |          |           |             |   |
|            |                 | 27                  | Α               |   | _             |   | _        | $oxed{\bot}$ | L        |          | Ц          |           |             | 77       | $\perp$                 | _          | 4        | 4         | 4            | $\perp$      | _              | 1         |          |   | 127        |                 | 4           | $\perp$  | 1         | _          | Ш               | Ц        | _         |             |   |
| <u> </u>   |                 | 28<br>29            | A               |   | ┝             | -   | -        | ⊢            | ⊬        | -        | Н          | -         |             | 78<br>79 |                         | -          | +        | +         | +            | +            | +              | +         |          |   | 128<br>129 | $\vdash$        | +           | +        | +-        | ┼          | H               |          | $\dashv$  |             |   |
| -+         |                 | 30                  | Ĥ               | _ | ┢             | $\vdash$                                  | $\vdash$ | H            | T        | $\vdash$ | Н          | 卜         |             | 80       |                         | 7          | ┪        | $\forall$ | $\forall$    | $\forall$    | +              | +         |          |   | 130        |                 | $\dashv$    | $\vdash$ | +-        | +          |                 |          | -         |             |   |
|            |                 | 31                  |                 |   |               |   |          |              | L        |          |            |           |             | 81       |                         |            | $\Box$   | $\Box$    | $\Box$       | $\Box$       | $\bot$         | $\Box$    |          |   | 131        |                 | $\Box$      |          |           |            |                 |          |           |             |   |
| <u> </u>   |                 | 32<br>33            | _               | _ | L             | _   | ┝        | ┝            | ┝        |          | Н          | ┝         | -           | 82<br>83 |                         | -          | +        | $\dashv$  | +            | $\dashv$     | +              | ╀         | ╽        |   | 132<br>133 | $\vdash \vdash$ | $\dashv$    | -        | +         | ╀          | $\vdash$        | $\dashv$ | ႕         |             |   |
| -          |                 | <del>33</del><br>34 | -               |   | $\vdash$      | _   | ┢        | <del> </del> | ┢        | Т        | Н          | -         |             | 84       |                         | _          | $\dashv$ | +         | +            | +            | +              | +         |          |   | 134        | $\vdash$        | $\dashv$    | +        | +         | +-         | H               | $\dashv$ | $\dashv$  |             |   |
|            |                 | 35                  |                 |   |               |   |          |              |          |          |            |           |             | 85       |                         |            | I        |           |              |              |                |           |          |   | 135        |                 |             |          |           |            |                 |          |           |             |   |
| -          |                 | 36                  | Щ               |   | _             | _   | _        | -            | _        |          | Н          | L         |             | 86       | -                       | _          | 4        | 4         | 4            | 4            |                | $\bot$    |          |   | 136        | $\sqcup$        | 4           | _        | ╀         | ╀          | Н               | $\dashv$ | $\dashv$  |             |   |
| -          |                 | 37<br>38            | -               | - | _             | -   | ┝        | ┝            | ┝        | -        | $\dashv$   | ├         | _           | 87<br>88 | $\dashv$                | $\dashv$   | +        | +         | $\dashv$     | ᆉ            | +-             | +         | l        |   | 137<br>138 | $\vdash$        | ᆉ           |          | +         | +          | Н               | $\dashv$ | $\dashv$  |             |   |
|            |                 | 39                  |                 |   |               |   |          |              | T        |          |            |           |             | 89       |                         |            | 7        | $\top$    | $\top$       | 1            | 1              |           | 1        |   | 139        |                 | 寸           |          | †         |            |                 |          | ╛         |             |   |
|            |                 | 40                  |                 |   |               |   |          |              | L        |          |            |           |             | 90       | _                       | $\Box$     | _        | _         | _[           | $\Box$       |                |           | ]        |   | 140        | П               | $\Box$      | $\perp$  |           |            |                 |          | $\Box$    |             |   |
| -          |                 | 41<br>42            | _               |   | _             | _   | _        | ┝            | ┝        | L        | Н          | -         |             | 91<br>92 | -                       | $\dashv$   | +        | $\dashv$  | +            | +            | +              | +         |          |   | 141<br>142 | $\vdash$        | $\dashv$    | +        | ╫         | ╀          | $\vdash \vdash$ | $\dashv$ | $\dashv$  |             |   |
| -          |                 | 43                  | H               | Н |               |   | $\vdash$ |              | T        |          | $\square$  | +         |             | 93       |                         | _          | _        | _+        | _            | _            | $\dashv$       | $\top$    |          |   | 143        |                 | 十           | _        | $\dagger$ | T          | H               |          | $\exists$ |             |   |
|            |                 | 44                  |                 |   |               |   |          | L            |          |          |            |           |             | 94       | $\Box$                  | $\Box$     | $\Box$   | $\Box$    | $\downarrow$ | ightharpoons |                | $\Box$    |          |   | 144        |                 | 丁           | $\perp$  |           |            |                 |          |           |             |   |
| <u> </u>   |                 | 45<br>46            | $\vdash \vdash$ |   | _             | -   | -        | -            | -        | -        | H          | -         | _           | 95<br>96 | -+                      | $\dashv$   | _        | +         | +            | +            | +              | +         |          |   | 145<br>146 | $\vdash \vdash$ | +           | +        | +         | +          | $\vdash \vdash$ | $\Box$   | $\dashv$  |             |   |
| -          |                 | <del>40</del><br>47 | $\vdash$        | Н | -             |   | $\vdash$ | $\vdash$     | $\vdash$ |          | $\dashv$   | -         | -           | 97       | $\dashv$                | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$     | +            | +              | $\forall$ |          |   | 147        | $\vdash$        | +           | +        | +-        | +-         | $\vdash \vdash$ | $\vdash$ | $\dashv$  |             |   |
|            |                 | 48_                 |                 |   |               |   |          |              |          |          |            |           |             | 98       | ゴ                       |            |          |           |              |              | 土              | $\Box$    |          |   | 148        |                 | □           | 上        | 上         |            |                 |          |           |             |   |
|            |                 | 49                  | Ц               |   | Ľ             | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | L.       | Ĺ            | $\vdash$ |          | Щ          | F         |             | 99       | $\dashv$                | $\dashv$   | 4        | $\bot$    | $\bot$       | $\bot$       | $\bot$         | $\Box$    | [        |   | 149        | П               | 4           | _[       | $\perp$   | Ļ          | $\Box$          |          | 4         |             |   |
| <u></u>    |                 | 50_                 |                 |   |               | Щ   | <u></u>  | Ц            |          | L        | Ш          | L         |             | 100      |                         | 1          |          |           |              | _1           | L_             | Ш         | ı L      |   | 150        |                 |             |          |           |            | لـــا           |          |           |             |   |